

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858320007-7

BALABAN, B.V., inzh.; VABEL', V.D., inzh.; ZEMLYANKER, L.Kh., inzh.;  
KLEYNER, G.R., inzh.

Automatic control in municipal electric power distribution  
networks. Elek. sta. 34 no.7:54-59 Jl '63. (MIRA 16:8)

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CIA-RDP86-00513R001858320007-7

VABEL, YA. I.

1963/3

DECEASED

CHEMISTRY

c' 1963

see ILC

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CIA-RDP86-00513R001858320007-7"

VABIC, V.

VABIC, V. Medicated soaps. p 157

New products of the Katran Factory this year. p. 161

(Je). Development of the Boris Kidric Petroléum Refinery in Rijeka

Vol. 4, No. 8, Aug. 1955

KEMIJA U INDUSTRIJI

p. 163

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 3  
March, 1956

VABIC, V.

VABIC, V. Safe bases for films. p. 219.

Vol. 4, no. 11, Nov. 1955  
DEMIJA U INDUSTRIJI  
Zagreb, Yugoslavia

So: Eastern European Accession Vol. 5, No. 4, April 1956

Turin, V.

"Refining technical fats."  
Kemija U Industriji, Zagreb, Vol 3, No 6, June 1954, p. 137

SO: Eastern European Acquisitions List, Vol 3, No 10, Oct 1954, Lib. of Congress

VATIC, V.

"Some new devices for soap production." p. 79, (KEMIJA I INDUSTRIJI,  
Vol. 3, No. 2/3, Feb./ Mar. 1954, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3  
No. 12, Dec. 1954, Uncl.

VABIC, V.

"Some Modern Detergents." p. 269, (KEMIJA U INDUSTRIJI, Vol. 3, no. 9,  
Sept. 1954. Zagreb, Yugoslavia.)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 4, No. 5, May 1955, Uncl.

YUGOSLAVIA/Chemical Technology - Chemical Products and Their  
Application - Photographic Materials.

H.

Abs Jour : Ref Zhur - Khimiya, № 9, 1958, 30040  
Author : Vabic, V.  
Inst : -  
Title : The Preparation and Uses of Collodion Emulsions.  
Orig Pub : Kemija u Industriji, 5, № 11, 284-292 (1956)  
(in Serbo-Croat)  
  
Abstract : A historical survey. The author also lists the characteristics of the various types of sensitizers used and of different collodion emulsions.

Card 1/1

BRAZNIKOVA, E.F.; VABINCHUK, S.V.

Characteristics of the position of periastrons of spectral binary  
orbits. Astron. zhur. 42 no.3:678-679 My-Je '65. (MIRA 18 5)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni V.I.  
Lenina.

VABISHCHEVICH, N. S. Cand Tech Sci -- (diss) "On graphic methods of mechanics."  
Len, 1957. 13 pp 22 cm. (Min of Higher Education USSR. Len Order of [redacted]  
Labor Red Banner Construction Engineering Inst), 100 copies (KL, 24-57, 118)

-39-

SOV/124-57-8-8564

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 5 (USSR)

AUTHOR: Vabishchevich, N. S.

TITLE: Some Problems of the History of the Development of Graphic  
Methods in Mechanics (Nekotoryye voprosy istorii razvitiya  
graficheskikh metodov mekhaniki)

PERIODICAL: V sb.: 15-ya nauchn. konferentsiya Leningr. inzh.-stroit.  
in-ta, Leningrad, 1957, pp 441-444

ABSTRACT: Bibliographic entry

Card 1/1

JELIC, Roman dr; VABUSEK, M., dr.

Osteitis pubis after catheterization; case report. Lijec.vjes.  
77 no.1-2:69-74 Jan-Feb.'55.

1. Iz Rentgenologiskog objela i Internog objela Opće bolnice u  
Zadru. (OSTEITIS,

    pubic bone, caused by catheterization in prostate  
    hypertrophy(Ser))  
(PUBIC BONE, dis.  
    osteitis, caused by catheterization in prostate hy-  
    pertrophy(Ser))  
(CATHETERIZATION, compl.  
    osteitis pubis after simple catheterization in prostate  
    hypertrophy  
(PROSTATE HYPERTROPHY, compl.  
    osteitis pubis after simple catheterization(Ser))

VABUSEK, Martin, dr.

Iatrogenic diseases in internal medicine. Med.glasn. 14 no.5:238-242  
Mjy '60.

1. Interni odjel Opće bolnice u Zadru  
(PSYCHOSOMATIC MEDICINE)

VABUSEK, Martin, d-r

Hypopituitary coma. Voj.san.pregl., Beogr. 17 no.6:706-709 Je '60.

1. Opća bolnica u Zadru, Interni odjel  
(PITUITARY GLAND dis)  
(COMA etiol)

VABUSEK, Martin, dr.

Atypical thyrotoxicosis. Med. glasn. 15 no.7/8:308-311 Jl-Ag '61.

1. Interni odjel Opće bolnice u Zadru.

(HYPERTHYROIDISM)

[ ] YUGOSLAVIA [ ]

Dr Martin VABUSEK, Department of Internal Medicine of Hospital (Interni odjel Bolnice) Zadar.

"Progressive Systemic Histoplasmosis."

Belgrade, Medicinski Glasnik, Vol 17, No 2, Feb 63; pp 81-84.

Abstract : Report of the first autochthonous Yugoslav case: man aged 54 with puzzling rapidly worsening gastric-pulmonary syndrome which was fatal in 10 weeks; correct diagnosis made from sputum when the patient was already terminal; no necropsy. Two rentgenograms, 1 photomicrograph; 9 Western and 1 Yugoslav reference.

[ ] 1/1 [ ]

VABUSEK, Martin, dr.

Carcinomatous syndrome. Med. glas. 17 no.8:322-326 Ag-8'63

l. Interni odjel Bolnice u Zadru.

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CIA-RDP86-00513R001858320007-7

VAEUSEK, Martin, dr.; JELIC, Roman, dr.; DRESCIK, Ante, dr.

Parathyrotoxicosis with perforating duodenal ulcer. Lijecn.  
vjesn. 87 no.5:535-541 My '65.

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CIA-RDP86-00513R001858320007-7"

VACARCIUC, T., ing.; GHINEA, V., ing.

Influence of beach log defects on the qualitative and quantitative output of veneers. Ind lemnului 14 nr.10:373-375 0 '63.

VACARCIUC, T., ing.; GHINEA, V., ing.

Some observations on albumin gluing of beech fiberboard.  
Ind lemnului 15 no. 3:91-93 Mr '64.

PAVELESCU, I.M., dr. ing.; VACARCIUC, T., ing.; GHINEA, I.; DUMITRESCU,  
Marilena, ing.

Influence of the main defects of beechwood on the conversion  
to technical veneers. Ind lemnului 15 no.6/7:205-209 Je-Jl  
'64.

1. Forest Research Institute, Blaj Branch (for Vacarciuc, Ghinea).  
2. Forest Research Institute, Tg. Jiu Branch (for Dumitrescu).

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858320007-7

VACARCIUC, T., ing.; NOVAC, M., RUS, J.

Improving the quality of beech hardboards. Ind lemnului 15 no.  
6/7:210-215 Je-Jl '64.

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CIA-RDP86-00513R001858320007-7"

VACARCIUC, T., ing.; NOVAC, M., tehn.; RUS, I., lab.

Reducing the water absorption of hardboards. Ind lemnului 16 no.1:  
14-16 Ja '65.

1. Station of the Forest Research Institute, Blaj.

ENESCU, I..; BADARAU, G..; VACARUANU, N.

Vectorcardiograms in hypertrophy of the left ventricle. Bul. stiint  
med. 7 no.23443-467 Apr-June 55.

1. Memberu corespondent al Academiei RPR (for Enescu)  
(VECTORCARDIOGRAPHY, in various diseases  
hypertrophy of left ventricle)  
(CARDIAC ENLARGEMENT  
left ventric., vectorcardiography)

VACAREANU, N.; BADARAU, G.; BESCHI, I.

Vectorial consequence of a hypertrophy of the left auricle", p. 271.  
"Journal on science issued by the Iasi Branch, Romanian Academy; with  
French and Russian summaries. Quarterly". (STUDII SI CERCETARI  
STIINTE, Vol. 5, no. 1/2, Jan./June 1954. Filiala Iasi.)

SO: Monthly List of East European Acquisitions, (EEAL), LG, Vol. 4, No.5,  
May, 1955, Uncl.

VACAREANU, N.; FRIEDMAN, G.

The integration of several formulas for the calculation of heart volume. Cor vasa 7 no.2:150-155 '65.

1. Academie de la Republique Populaire Roumanie, Filiale de Iassy, Roumanie.

VACAREL, Iulian, candidat in stiinte economice

Active role of finance in expanded socialist reproduction.  
Probleme econ 16 no.10:3-16 0 '63.

DOGARU, Ion, tehniciar; CSISZAR, Dezideriu, corespondent; RUSU, Ladislau,  
corespondent; SZILAGYI, Gh., corespondent; NACIU, Iacob, corespondent;  
VACARIU, Nicolaie, corespondent; BALAN, A., corespondent; HOTUPAN, Fl.,  
corespondent; BARBALATA, St., corespondent; AVASILOAIEI, Filaret,  
corespondent.

With the annual plan carried out. Constr Buc 16:1 19 D '64.

MITACHE, Nicolae; CHALIC, Sergiu; VACARIU, Nicolae;  
VOINESCU, Alexandru, economist

Competition chronicle. Constr Buc 16 no. 743:2  
4 April '64.

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CIA-RDP86-00513R001858320007-7

TUDORANU, Gh., prof., dr.; POPA, Gh., dr.; POPOVICI, Maria, dr.; ROSIN, Angela,  
dr.; MIHAIL, E., dr.; VACARU, Olimpia, dr.

The concept of leucosarcomatosis. Med. intern. 14 no.10:1153-1159  
O '62.

1. Lucrare efectuata in Institutul de medicina Iasi Clinica I  
medicala (prof. Gh. Tudoranu).  
(LEUCOSARCOMA) (LYMPHOSARCOMA)

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CIA-RDP86-00513R001858320007-7"

TUDORANU, Gh., prof.; BERNEAGA, Ortansa, dr.; TURCANU, H., dr.; NEGOITA, Margareta, dr.; VACARU, Olimpia, dr.; MARIHESCU, C., dr.; BORGOVAN, Lucia, dr.

Experience of the Medical Clinic I of Iasi in the problem of bone marrow transplantation. Med. intern. 14 no.10:1245-1251 0 '62.

1. Lucrare efectuata la Clinica I medicala Iasi si Centrul de transfuzie Iasi.

(BONE MARROW) (LEUKOPENIA) (BONE MARROW DISEASES)  
(RADIATION INJURY) (LEUKEMIA)

VACATKO, S.

Interdigital dermatoses. Cesk. derm. 25 no.7-8:341-344  
July 1950.  
(CIA RL 20:1)

1. Of the First Dermato-Venereological Clinic in Prague (Head--  
Prof. K. Gavalowski, M. D.).

VACATKO, S

CZECHOSLOVAKIA/Pharmacology. Toxicology. Chemotherapeutic Preparations V  
A) Antibiotics

Abs Jour : Ref Zhur - Biol., No II, 1958, № 52068

Author : Holan V., Bovak J., Vacatko S.

Inst : Carolina University

Title : The Therapeutic Effect of Dehydrochloramphenicol in Mycotic Diseases

Orig Pub : Univ. Carolina. Med., 1955, Suppl. No 1, 445-449

Abstract : The local application of dehydrochloramphenicol in skin mycoses, in the form of a 2-3 percent solution in a mixture of glycerine and alcohol, in the proportions of 1:4, produced good results in 79 percent of all the cases. The preparation is well tolerated, is odorless and non-irritating.  
-- M.A. Gruzman

Card : 1/1

NEUMANN, Emil, MUDr, as.; VACATKO, Stanislav, MUDr as.

Eosinophilic granuloma of face. Cesk.derm. 31 no.4:193-200 Aug 56.

1. Z dermatovener. klin. KU (Predn. prof. MUDr K.Gawalowski)

(EOSINOPHILIC GRANULOMA, case reports

face, clinicopathol. & ther. (Cm))

(FACE, dis.

eosinophilic granuloma, clinicopathol. & ther. (Cx))

Country : USSR  
Category : Pharmacology and toxicology. Tranquillizers  
Abs. Jour. : Ref Zhur-Biol., No 13, 1956, No 61391  
Author : Vacatko, S.  
Institut. :  
Title : Candida Albicans and Chlorpromazine  
Orig Pub. : Ceskosl. dermatol., 1957, 32, No 1, 19-21  
Abstract : The effect of chlorpromazine was studied on seven pathogenic strains of Candida albicans isolated from the affected areas of the skin and mucous membranes of man. A suspension was prepared, in physiological solution, containing 2.6 million yeast cells in 1 ml. and acted upon with different concentrations of chlorpromazine (from 2.5% and below). It was established that chlorpromazine is effective against Candida albicans in a concentration of 0.4 mg./ml.-- V. V. Vlo-  
davets

Card: 1/1

CZECHOSLOVAKIA/Pharmacology - Toxicology - Tranquilizers.

v

Abs Jour : Ref Zhur Biol., No 4, 1959, 18547

Author : Vacatko, Stanislav

Inst :

Title : On Antimycotic Action of Phenotiazine Derivatives.

Orig Pub : Ceskosl. dermatol., 1958, 33, No 3, 179-182

Abstract : It was established in experiments in vitro that chlorpromazine and prometazine possess a weak antimycotic action.

Card 1/1

VACEK, A.

Glass pipes in the Czechoslovak chemical industry. (To be contd.) p. 206.

SKIAR A KERAMIK. (Ministerstvo spotrebhino prumyslu) Praha, Czechoslovakia,  
Vol. 9, No. 7, July 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,  
November 1959.

Uncl.

VACEK, A.

Glass pipes in the Czechoslovak chemical industry. p. 228.

SKLAR A KERAMIK. (Ministerstvo lehkého průmyslu) Praha, Czechoslovakia,  
Vol. 9, no. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1,  
Jan. 1960.

Uncl.

VACEK, Ales

Delrin, a new building material. Stroj vyr 10 no.8:~~4145~~415  
'62.

1. Vysoka skola ekonomicka, katedra technologie, Praha.

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CIA-RDP86-00513R001858320007-7

SKORKOVSKY, Jaroslav; VACEK, Ales

Chemical industry in Canada. Chem prum 13 no.3:148-150 Mr '63.

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VACEK, Ales, inz.

Commemorating 40 years of Ludvika Smrckova. Sklar a keramik  
13 no.4:2 of cover, 91 Ap '63.

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CIA-RDP86-00513R001858320007-7"

VACEK, A.: NOVAK, L.

"Effect of an intraperitoneal injection of cysteine on the level of the respiration metabolism in mice."

CESKOSLOVENSKA BIOLOGIE, Praha, Czechoslovakia, Vol. 7, no. 6, Nov. 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59  
Unclassified

VATSEK, A. [Vacek, A.]; SHWARDHOVA, G.

Disorders of basal metabolism adaptation during roentgen  
irradiation in rats. Med.rad. 4 no.6:27-32 Je '59.

(MIRA 12:8)

1. Iz Instituta biofiziki Chekhoslovatskoy akademii nauk (dir. -  
chlen-korrespondent Chekhoslovatskoy akademii nauk doktor  
biologicheskikh nauk prof. F. Gerchik.

(BASAL METABOLISM, eff. of radiations,  
x-rays in rats (Rus))

(ROENTGEN RAYS, eff.  
on basal metab. in rats (Rus))

VATSEK, A. [Vacek, A.]

Changes in gas exchange in rats after the intra-abdominal administration of cysteine and cysteamine. Med.rad. 7 no.7:57-62 Jl '62.  
(MIRA 15:11)

1. Iz Instituta biofiziki Chekhoslovatskoy akademii nauk, Brno.  
(CYSTEINE) (ETHANETHIOL) (RADIATION PROTECTION)  
(RESPIRATION)

VACEK, A.

Oxygen consumption in mice irradiated with x-rays at different dose rates. Folia biol. 8 no.4:263-266 '62.

1. Institute of Biophysics, Czechoslovak Academy of Sciences, Brno.  
(TISSUE METABOLISM radiation effects) (RADIATION EFFECTS experimental)

VACEK, A.; DAVIDOVA, Eva

Effect of a raised oxygen concentration in air inhaled during  
irradiation on the survival of irradiated mice and the pro-  
tective effect of cysteine. Folia Biol. (Praha) 9 no.4:292-298  
'63.

1. Institute of Biophysics, Czechoslovak Academy of Sciences,  
Brno.

(RADIATION INJURY, EXPERIMENTAL)  
(RADIATION EFFECTS) (TISSUE METABOLISM)  
(CYSTEINE)

VACEK, A.; SEVCIK, F.

Electrochemical determination of the tension of oxygen in  
tissue. Physiol. bohemoslov. 12 no.3:269-274 '63.

1. Institute of Biophysics, Czechoslovak Academy of Sciences,  
Brno.  
(OXYGEN) (POLAROGRAPHY)

SEVCIK, Frantisek; VACEK, Antonin

Polarographic apparatus with programmed electrode switching.  
Chem listy 57 no.8:835-840 Ag '63.

1. Biofysikalni ustav, Ceskoslovenska akademie ved, Brno.

CHETVERIKOV, D.A.; GASTEVA, Svjetlana V.; IVANOV, K.P.; VACEK, A.;  
POSPISIL, M.

Mechanism of raised resistance of rats to hypoxia in acute  
radiation injury. Folia biol. (Praha) 10 no.5:386-391 '64.

1. Pavlov Institut of Physiology, Academy of Sciences of the  
U.S.S.R., Leningrad, and Institute of Biophysics, Czechoslovak  
Academy of Sciences, Brno.

L 13546-66

ACC NR: AP6005994

SOURCE CODE: CZ/0053/65/014/004/0270/0270

AUTHOR: Vacek, A.; Davidova, E.; Rotkovska, D.

37  
B

ORG: Biophysical Institute CSAV, Brno (Biofysikalni ustav CSAV)

TITLE: Concentration of dissolved oxygen in tissues and factors affecting it [This paper was presented at the Conference on Electrochemical Measurement of Oxygen in Biological Materials, Brno, 22 October 1964.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 270

TOPIC TAGS: drug effect, hemoglobin, oxygen, animal physiology

ABSTRACT: The level of physically dissolved O<sub>2</sub> released from oxyhemoglobin into interstitial tissue fluid and as yet not taken up by cells is very susceptible to various changes of internal environment; epinephrine, anesthesia, decreased oxygen concentration in inspired air all lower it. The level rapidly stabilizes in a direct ratio to the level in inspired air. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 HW

L 13541-66 ETC(F)/EWG(m)/T DS

ACC NR: AP6005998

SOURCE CODE: CZ/0053/65/014/004/0271/0272

AUTHOR: Tacev, T.; Vacek, A.

41 B

ORG: Biophysics Institute CSAV, Brno (Biofysikalni ustav CSAV)

TITLE: Use of solid electrodes to measure oxygen requirements of tissue in vitro  
[This paper was presented at the Conference on Electrochemical Measurement of Oxygen in Biological Materials, Brno, 23 October 1964.]

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 271-272

TOPIC TAGS: oxygen, electrode, platinum, medical laboratory instrument

ABSTRACT: Study of 2 types of electrodes reveals that the vibratory platinum electrode reacted faster to changes in oxygen concentration than the Clark electrode, provided that inadequate tissue homogenization did not introduce artefacts.  
[JPRS]

SUB CODE: 06, 14 / SUBM DATE: none

Card 1/1 HW

CZECHOSLOVAKIA

DAVIDOVA, E., SEMJONOV, L.F., STRELKOV, R.B., VACER, A.,  
ZEJTUNJAN, K.A; Biophysical Institute, Czechoslovak Academy of  
Sciences (Biofysikalni Ustav CSAV), Brno, and Institute of  
Experimental Pathology and Therapy AMNSSSR, [Original version  
not given], Suchumi, Russia.

"Partial Pressure of Oxygen in Tissues and its Role in Radio-  
protection of Amines and Thiols."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 79-89

Abstract: Partial pressure of oxygen in tissues protected by  
mexamine, serotonin and cystamine was investigated. Mexamine  
and serotonin decrease partial pressure of oxygen, cystamine  
not change it. It appears that the high protection given by  
indole-alkylamines (serotonin and mexamine) is due to tissue  
hypoxia. 1 Western, 1 Czech, 3 Russian references. Submitted  
at "16 Days of Physiology" at Kosice, 27 Sep 65.

1/1

- 153 -

VACEK, ADOLF

Vacek, Adolf, Rezne nastroje se sinterutymi karbidy; cesta k byssi produktivite pri strojnim obrabenis priklady stachanovskych nastroju. (Vyd.l. ) Parha, Prace; vydavatelstvo ROH, 1951. 137p. (Technicke prirucky Prace, sv. 95) ( Cutting tools with sintered carbides: a method for higher productivity in mechanized metal-working, with examples of Stakhanovite tools. illus.)

SO: Monthly List Of East European Accessions, LC. Vol.3, No. 5 May 1954, Unclassified

VACEK, Antonin

Dispensary services in rural conditions in the Soviet Union.  
Cesk. zdravot. 4 no.3:135-139 Mar 56.

1. Posluchac 2. moskovskoho lekarskoho institutu J. V. Stalina  
(6. ročník).

(RURAL CONDITIONS,  
dispensary serv. in Russia (Cs))

(OUTPATIENT SERVICES,  
dispensary serv. in rural cond. in Russia. (Cs))

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CIA-RDP86-00513R001858320007-7

VACEK, Bohuslav, inz.

~~Development of the passenger car park for electric and motor  
traction. Doprava no.4:256-260 '63.~~

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CIA-RDP86-00513R001858320007-7"

VACEK, J.; ZALESAK, A.

Problem of planning building activities within a region. Poz stavby  
11 no.2:93-95 '63.

1. Krajske sdruzeni narodnic~~s~~ podniku ve stavebnictvi, Brno.

VACEK, J.

Aliphatic branched-chain hydrocarbons. I. Stanislay.

Landa, Jiri Matousek, Rudolf Sehlík, and Janomír Vašek.

Chem. Listy, 46, 604-6 (Tech. Univ., Prague, Czechoslovakia).

(1952).—Diteriary glycols prep'd. from Grignard reagent(s).

and di-Et adipate (I) were dehydrated to dienes, which,

gave the corresponding paraffins on hydrogenation.

RMgBr in 7-14 parts Et<sub>2</sub>O was added with cooling I in anequal amt. of Et<sub>2</sub>O, and the mixt. was boiled 15 min. and dec-ompnd. with H<sub>2</sub>O and 20% H<sub>2</sub>SO<sub>4</sub>; evapn. of the ether left

the cryst. glycols contaminated with unreacted I, from

which they were freed by sapon. The following glycols

were prep'd. (yield, m.p., b.p.): 3,8-diethyl-3,8-decanediol

(II), 88%, 71.8°, b<sub>2</sub> 181-2°; 4,9-dipropyl-4,9-dodecanediol(III), 76%, 87°, b<sub>2</sub> 159.5°; 5,10-dibutyl-5,10-tetradecanediol(IV), 63%, 90.8° (from Me<sub>2</sub>CO), —; 6,11-diamyl-6,11-hexadecanediol (V), 43.4%, 79.4° (from Me<sub>2</sub>CO), —;

9,14-diethyl-9,14-docosanediol (VI), 27%, 53.2°, —. De-

hydration of the glycols gave diolefins with uncertain

positions of the double bonds (glycol, diolefin, reagent and

conditions, b.p., and, unless otherwise stated, n<sup>D</sup> for  $\alpha$ ,  $\beta$ ,  $\gamma$ ,and D; d. at 20° and 50°; and  $\eta$  in centistokes at 20°,

37.8°, 50°, and 98.9°): II, 3,8-diethyldecaiene, iodine

above 140°, b<sub>2</sub> 123.5°; n 1.45508, 1.46594, 1.47514,

1.4588, d. 0.8024, 0.7815; —; 2,130, 1,558, 1,324, 0.746;

III, 4,9-dipropyldecaadiene, —, —, d. 0.8098, 0.7897;

IV, 4,9-dipropyltetradecadiene, —, —, d. 0.8007, 2.957,

CuSO<sub>4</sub> above 200°, b<sub>2</sub> 102.5-3°, b<sub>1</sub> 201-1.7°, n 1.40028,

1.47001, 1.47579, 1.46305, d. 0.8166, 0.7979, n 9.131, 5.208,

3.927, 1.674; V, 6,11-diamylhexadecadiene (CO<sub>2</sub>H)<sub>2</sub> at

130-40°, b<sub>2</sub> 185°, d. 0.8107, 0.8052,  $\eta$  10.059, 0.900, 0.800,  
2.520; VI, 6,11-diethylhexadecadiene, HCl in CH<sub>2</sub>, in the  
cold or boil. in C<sub>2</sub>H<sub>5</sub>N, decompr. on distn. under 0.01 mm.  
n 1.46111, 1.48346, 1.46667, —, d. 0.8262, 0.8206,  $\eta$  37.777,  
18.408, 12.42, 4.27. Hydrogenation of the diolefins in  
AcOH over PtO<sub>2</sub> yielded paraffins in 95-8% yields: 3,8-  
diethyldecane, m. -48°, b<sub>2</sub> 118-20°, n 1.43351, 1.44101,  
—, 1.43500, d<sub>4</sub> 0.7778, d<sub>10</sub> 0.7575,  $\eta$  2.406, 1.768, 1.486,  
0.819. 4,9-Dipropyldodecane, m. -36.4°, b<sub>2</sub> 149.0-  
50.0°, b<sub>2</sub> 105.0-5.5; n 1.43979, 1.44735, 1.45196,  
1.44191, d. 0.7013, 0.7723;  $\eta$  5.494, 3.369, 2.551, 1.224.  
5,10-Dibutyltetradecane, m. -11.8°, b<sub>2</sub> 159.5-63.3°, b<sub>2</sub>  
205-6.5°, n 1.45474, 1.45250, 1.45296, 1.44689, d. 0.8003,  
0.7831;  $\eta$  13.17, 6.948, 4.898, 1.021. 9,14-Dioctyldecane,  
m. 33.8, n 1.4521, n<sub>D</sub> 1.4464, d<sub>4</sub> 0.8004;  $\eta$  —; 28.590,  
18.569, 5.527. M. Hudlický

b-15-54  
SPP

ACEK, E.

2

CZECH

Aliphatic branched-chain hydrocarbons. II. Structure

*Chem. Listy* 48, 164-9 (1954). In: *J. Org. Chem.*, Vol. 20, No. 1, p. 48, 1955.

branched-chain paraffins were prepared by the hydrogration of alkenes obtained by the dehydrogenation of dienes obtained by the dehydrogenation of glycols. The hydroxy compounds were prep'd. by the Grignard synthesis from the esters of undecylenic, glutamic, and pinus acids. Dehydration was carried out by heating the hydroxy compds. 5 hrs. at 160-70° with anhyd.  $\text{CuSO}_4$ , or by heating 8 hrs. at 140-70° with anhyd.  $\text{COHgCl}$ , or with  $\alpha\text{-C}_6\text{H}_5\text{COHgO}$  at 160-70°. Some diones were prep'd. by the dehydrohalogenation of the corresponding halides by heating with  $\text{C}_6\text{H}_5\text{N}_3$ . Hydrogenation of the ketones over  $\text{PtO}_2$  gave the paraffins the unreacted unsatd. hydrocarbons being removed by  $\text{KHSO}_4$  ozonolysis. The following hydroxy compds. were prep'd.: (1) yield in %, m.p. and b.p. given. 3,7-dimethyl-*nonan-3,7-diol*, 33, 68°, 5°; 161.2°. 4,8-dipropylundecan-4,8-diol, 29, 87°. 11-ethyl-1-tridecan-11-ol, 58.8, —11°, 156°. 3,4-diethylundecan-3,4-diol, 16, 86.2°, —11°, prop-1-tert-decen-11-ol, 12.6, —11°, 156°. 3,4-diethyl-1-pentadecen-1-ol, 33.3, —11°, 191°. 3,3-dipropyldecan-6,9-diol, 10, 10-diol, 30, 100°. 3,3-dibutyldecan-6,9-diol, 10, 7°, —11,11-dibutylpentadecane-11-ol, 34.6, 43.5°, —11,11-dicyclohexyl-1-undecen-11-ol, 39, 58-59°, b.p. 183°. 6,12-dimethylpentadecan-6,12-diol, 30, 61.2°. The following diones were formed (b.p., due to  $\alpha\text{-pinene}$  isomers at 27.8°, 50.0°, and 98.8° given): 3,7-dimethylnonane (part of mixture); 3,7-dimethyl-1-undecanone, bp. 117°, 140°.



VACEK, J.

The determination of the decomposition of procaine and  
intertane by paper chromatography and the local anes-  
thetic effect of decomposed procaine solutions. J. Vacek,  
et al (State Inst. Control Med., Prague). Československá  
Lékařská Tiskárna, Praha, No. 1, 1953, p. 21.  
— $\rho$ -Aminobenzoic acid (I), the hydrolysis  
product of procaine, and  $\rho$ -butylaminobenzoic acid (II),  
the hydrolysis product of intertane (tetraacetate), were esti-  
mated by use of ascending chromatography. Solvents used were  
as follows: soln. of procaine: Et-OH-30% HCl-H<sub>2</sub>O  
(50:15:15); soln. of intertane: MeOH-AmOH-benzenec-  
4% NH<sub>4</sub>OH (35:17.5:33:12.5). I was detected by spray-  
ing with a soln. of 0.2 g. NaNO<sub>3</sub> in 20 ml. H<sub>2</sub>O and 2 ml.  
AcOH and with a soln. of 0.2 g. 1-naphthol in 20 ml. 60%  
EtOH and 4 ml. NH<sub>4</sub>OH. II was detected after spraying  
with  $\alpha$ -naphthoflavone (0.1% soln. in EtOH) in ultraviolet  
light. The area of spots depends on concn. which thus  
permits the estn. of the extent of decompr. with a pre-  
cision  $\pm 10\%$ . The local anesthetic activity of I dimin-  
ishes with increasing decompr. D. Hrubíková

VACEK, Jan; LASTOVKOVA, Miluse

Use of paper chromatography in determination of decomposition of  
PAS. Cesk. farm. 3 no. 4:128-131 Ap '54.

1. Ze Statniho ustavu pro kontrolu leciv.  
(PARAAMINOSALICYLIC ACID,  
\*decomposition, chromatography)  
(CHROMATOGRAPHY,  
\*of PAS decomposition)

VACHEK, J.; BLAZEK, J.

Work of the pharmacies in the Soviet Union. Cesk. farm. 3 no.8:  
267-268 Oct 54.  
(PHARMACY  
in Russ., organiz. & work)

VACHEK, Jan; HUBIK, Josef

II. national conference of the pharmaceutical section of the  
Czechoslovak medical association J.E.Purkyne, Cesk. farm. 3  
no.9:297-300 Nov 54.  
(PHARMACY  
in Czech., conf.)

VACEK, Von J.

Czechoslovakia

"Eine Studie über die Zersetzung des Cinchocains, by Von J. VACEK, Ceskoslov.  
Farmac. 4,6 (1955).

SOURCE: Pharmazeutische Zentralhalle (Für Deutschland), May 1956, Unclassified.

VACIK, Jan

Investigations on decomposition of cinchocaine. Cesk. farm. 4 no.1:  
6-7 Jan 55.

1. Ze Statniho ustavu pro kontrolu leciv.  
(CINCHOMA ALKALOIDS,  
decomposition)

KOLINSKY, Jiri; VACEK, Jan

Achievements of pharmacy in people's democratic Czechoslovakia;  
tenth anniversary of liberation by Soviet army. Cesk. farm.  
4 no.4:161-169 May 55.

(PHARMACY, history  
in Czech.,)

VACEK, J., MUDr.; TREFNY, Z., MUDr.

Obstetric and pediatric considerations on delivery of large infants. Cesk. gyn. 19 no.5:317-323 Sept 55.

I. I. porodnicka klinika, prednosta prof. Dr. Lukas. IV. detska klinika, prednosta prof. Dr. Blazek.

(DELIVERY,  
of large inf., obst. & pediatric aspects.)

CZECHOSLOVAKIA/Chemical Technology, Chemical Products  
and Their Application, Part 3. - Drugs. Vitamins.  
Antibiotics.

H

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 71737.

Author : Jan Vacek.

Inst :

Title : Pharmacy Problems in Czechoslovakia.

Orig Pub: Ceskosl. farmac., 1956, 5, No 2, 65-73.

Abstract: No abstract.

Card : 1/1

71

Vacek, J.

Colorimetric determination and paper chromatography of  
the calcium salt of *N*-benzoyl-*p*-aminosalicylic acid.  
Vacek and M. Lašťovková (Stat. listav. kontrolu lečiv,  
Prague). Českoslov. farm. 5, 75-7 (1956).—The content of  
the Ca salt of *N*-benzoyl-*p*-aminosalicylic acid (I) in Benzacyl  
Wander was detd. colorimetrically, the presence of impuri-  
ties (*p*-aminosalicylic acid (II) and *m*-aminophenol (III))  
by paper chromatography. Shake 0.17 g. finely powd.  
tablets 30 min. with 100 ml. 65% EtOH, then dil. to 500 ml.  
with water and filter. To 4 ml. of this soln. add 15 ml.  
water, 2 ml. 1%  $\text{Fe}(\text{NO}_3)_3$  in 1%  $\text{HNO}_3$ , and water to 25 ml.  
Measure the violet color by using Pelfrich spectrophotometer  
and filter S 53. The method is accurate to within 2%. For  
semiquant. paper chromatography of 0.5-5 γ II or III in  
200-250 γ I the following system proved the best: pyridine,  
BuOH, satd. NaCl soln., and 25% NH<sub>3</sub> soln. (6:6:5:3);  $R_f$   
for I 0.58, II 0.28, and III 0.78 were found. K. M.



VACEK, J.

CZECHOSLOVAKIA/Medicinal Substances, Vitamins, Antibiotics.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65353

Author : Jung, Z., Vacek, J.

Inst : -  
Title : Chromatographic Methods of Inspection of Medicinal  
Preparations.

Orig Pub : Ceskosl. farmac., 1956, 5, No 7, 421-429.

Abstract : Review.  
Bibliography with 240 titles.

Card 1/1

CZECHOSLOVAKIA/Chemical Technology. Chemical  
Products and Their Applications.  
Medicinal Substances. Vitamins.  
Antibiotics.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20526

Author : Vacek, J.

Inst :

Title : Organization of the Inspection of Medicinal  
Agents in the USSR.

Orig Pub : Ceskosl. farmac., 1957, 6, No 8, 463-466

Abstract : No abstract.

Card : 1/1

14 - 80

Jiri Vacek

7

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2-may  
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Distr: bE2c(j)/bE3d

*[Handwritten note: "Estimation of pentaerythritol tetrinitrate in the presence of cyclotrimethylene trinitroamine."]*  
Jiri Stanek and Jiri Vacek: Czsm. pramy 8(33), 351-6 (1958).—Pentaerythritol tetrinitrate (I) and cyclotrimethylene trinitroamine (II) can be detd. simultaneously by the following method: Dissolve a sample contg. not more than 0.22 g. of I and 0.12 g. of II in 30 ml. of glacial AcOH and add 25 ml. of 25% HCl. Remove air by passing a stream of CO<sub>2</sub> through the soln. Add 60 ml. of 0.7N FeCl<sub>3</sub> and reflux for 20 min. Cool, add 10 ml. of 10% NH<sub>4</sub>CNS, and titrate with 0.2N TiCl<sub>4</sub>, until the red color disappears. Then add 20 ml. of N TiCl<sub>4</sub> and 25 ml. of Na citrate and reflux for 30 min. Cool and titrate with 25 ml. of 0.25N FeNH<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub> until the red color persists for 1 min. Blanks have to be detd. and their values subtracted. The amt. of I is equiv. to the cor. vol. of TiCl<sub>4</sub>, that of II to the cor. vol. of FeNH<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>. Max Hellmann.

J.V.

DRECHSLER, B.; VACEK, J.

Changes in proprioceptive reflex activity in painful radicular syndromes. Cesk. neur. 24 no. 3:152-160 My '61.

1. Neurologicka klinika Karolovy univerzity v Praze, prednosta akad.  
prof. dr. K. Henner.

(SPINAL NERVES diseases)

DRECHSLER, B.; VACEK, J.; VYMAZAL, J. Technicka spoluprace: VONKOVA, Mirina

Activity of serum transaminases in amyotrophia. Cesk. neur. 24 no. 6  
391-398 N '61.

1. Neurologicka klinika KU v Praze, prednosta akademik Kamil Henner,  
Laborator pro patofyziologii nervove soustavy.

(TRANSAMINASES blood) (SPINAL CORD diseases)  
(NEUROLOGY)

VACEK, J.

The work of the World Health Organization in the field of pharmacy.  
Preparation of the 2d edition of the International Pharmacopoeia.

Cesk. farm. 11 no.8:421-423 0 '62.

(PHARMACOPOEIAS) (INTERNATIONAL COOPERATION)  
(PHARMACY)

CZECHOSLOVAKIA

Nomenclature in the International Pharmacopoeia. International Generic Names of Drugs.

J. VACK, Jr., Pharmacy Magister (Affiliation not stated.)

Prague, Ceskoslovenska Farmacie, Vol. III, No. 9, Sept 1962; pp. 2-7.

Abstract: Explanation and discussion of some of the newer nomenclatural conventions used in the International Pharmacopoeia, with a listing of prefixes, suffixes and syllabic units used to create new generic names by condensation or truncation of chemical names. (See "Zeitschr. für Lebensmitteltechnik," references).

DRECHSLER, B.; VACEK, J.

Spasmophilic neuropathy - electromyographic study of the excitability  
of the peripheral motor neuron. Cesk. neurol. 25 no.1:1-10 Ja '62.

1. Neurologicka klinika KU V Praze, prednosta akademik Kamil Henner.

(ELECTROMYOGRAPHY) (SPASMOPHILIA physiol)  
(PERIPHERAL NERVES physiol) (NEURON physiol)

VLCEK, J.; VACEK, J.; KVASNICKA, I.

Spinal cord injuries. Some experiences with the management and therapy of these injuries. Rozhl. chir. 41 no.9:617-622 S '62.

1. I. chirurgicka klinika fak. vsoob. lek. KU v Praze, prednosta prof. dr. J. Pavrovsky Neurologicka klinika fak. vseob. lek. KU v Praze, prednosta akademik K. Henner Rontgenologicka klinika fak. vseob. lek. KU v Praze, prednosta prof. dr. V. Svab.  
(SPINAL CORD)

KVICALA, V.; ODVARKOVA, J.; SEDLACEK, J.; VACEK, J.

Neurogenic etiology of Dupuytren's contracture. Part I. Acta chir.  
plast. 5 no.3:227-234 '63.

1. Neurological Clinic, Charles University, Prague (Czecho-  
slovakia) Director: Academician K. Henner Clinic of Plastic  
Surgery, Charles University, Prague Director: Academician  
F. Burian.

(DUPUYTREN'S CONTRACTURE)  
(CENTRAL NERVOUS SYSTEM DISEASES)  
(PERIPHERAL NERVE DISEASES)  
(BRAIN DISEASES) (SPINAL DISEASES)  
(CERVICAL VERTEBRAE) (NUTRITION DISORDERS)

KVICALA, V.; ODVARKOVA, J.; SEDLACEK, J.; VACEK, J.

Neurogenic etiology of Dupuytren's contracture. Part II. Acta  
chir. plast. 5 no.3:235-244 '63.

1. Neurological Clinic, Charles University, Prague (Czecho-  
slovakia) Director: Academician K. Henner Clinic of Plastic  
Surgery, Charles University, Prague Director: Academician  
F. Burian.

(DUPUYTREN'S CONTRACTURE)  
(PERIPHERAL NERVE DISEASES)  
(ELECTROMYOGRAPHY) (SKIN)  
(BODY TEMPERATURE) (ELECTROENCEPHALOGRAPHY)  
(GALVANIC SKIN RESPONSE)

KONECNY, J.; POHORSKY, J.; VACHEK, J.

Stability of drugs. I. Stability of drug solutions from the  
viewpoint of reaction kinetics. Cesk. farm. 12 no.4:204-209  
My '63.

1. Vyzkumný ustav pro farmacii a biochemii, Praha.  
(CHEMISTRY, PHARMACEUTICAL) (SOLUTIONS)

HRACMAR, J., [State Drugs Control Institute (Statni ustav pro kontrolu lecciv), Prague], and VACEK, J. [affiliation not given].

"Fourth National Pharmaceutical Congress of the Pharmaceutical Section at the J.Ev. Purkyne Czechoslovak Medical Society held in Gottwaldov."

Prague, Ceskoslovenska Farmacie, Vol XII, no 7, September 63,  
pp 375-380.

**Abstract:** The Congress was held in Gottwaldov, 20 to 22 May 1963. Stability of drugs was the main topic. It was attended by 370 Czechoslovak pharmacy specialists and representatives from Poland and Hungary. The report contains abstracts of lectures delivered. They deal with the production of drugs and its economic aspects, preparation of medicines in pharmacies, preservation of pharmaceutical preparations, and drugs control. The Congress adopted recommendations concerning various aspects of drugs, including the third edition of the Czechoslovak Pharmacopoeia. Authors and titles of the individual papers are given.

1/1

VACEK,J.

Problems of drug stability from the viewpoint of control. Cesk.  
farm. 12 no.10:524-528 D'63.

1. Statni ustav pro kontrolu leciv, Praha.

\*

CZECHOSLOVAKIA

KUCERA, P., and MACK, J., Clinic of Neurosurgery (Neurochirurgicka Klinika), Faculty of General Medicine (Fakulta všeobecného Lekarsvství), Charles University, Prague, Academician K. HELLER, director.

"Tumors of the Glomus Jugulare."

Prague, Ceskoslovenska neurologie, Vol XXVI(LIX), No 5, September 63, pp 333-338.

Abstract [Authors' English summary]: The neurological diagnosis of tumors of the glomus jugulare is presented and a typical case, verified at autopsy, is described. Seventeen references, including 3 Czech and 2 Russian.

i/1

DRECHSLER, B.; VACEK, J.

Electromyographic study in dermatomyositis and polymyositis.  
Cesk. pediat. 18 no.7:587-593 Jl '63.

1. Neurologicka klinika fakulty vseobecneho lekarstvi KU v  
Praze, prednosta akad. K. Henner.  
(ELECTROMYOGRAPHY) (DERMATOMYOSITIS)  
(MYOSITIS)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858320007-7

1. [REDACTED]

2. [REDACTED]

3. [REDACTED]

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858320007-7"

DRECHSLER, B.; VACEK, J.; DANHELOVA, V.; LOMICEK, M.

Electrophysiological study of direct and reflex excitability  
of spinal cord motor neurons in idiopathic scoliosis. Cesk.  
neurol. 27 no.4:233-237 Jl '64

1. Neurologicka klinika (prednosta: akademik prof. K.Henner);  
klinika pro ortopedii a detskoj chirurgii (prednosta prof. dr.  
M.Jaros) fakulty vseobecneho lekarstvi KU [Karlovsky university]  
v Praze.

VACEK, J.; DITTRICH, J.; LEMOVSKY, M.; TAVORIKOVA, H.

On problems of height and etiological diagnosis of paresis  
of the fibular nerve. Cesk. neurol. 28 no.5:374-380 S '65.

1. Neurologicka klinika fakulty vseobecneho lekarstvi Karlovy  
University v Praze (prednosta akademik K. Henner).

VACEK, J.; TUHACEK, M.; VYMAZAL, J.; TABORIKOVA, H.

Electrophysiological study of the early effect of acupuncture  
on peripheral paralyses of the facial nerve. Česk. neurol. 28  
no.5:381-388 S '65.

1. Neurologicka klinika fakulty všeobecného lekarství Karlovy  
University v Praze (prednosta akademik K. Henner).

L 31439-66

ACC NR: AP6023192

SOURCE CODE: CZ/0082/65/028/005/0374/0380

AUTHOR: Vacek, J.; Dittrich, J.; Lehovsky, M.; Taborikova, H.

Zc  
B

ORG: Neurology Clinicheaded by Academician K. Henner/, Faculty of General Medicine,  
Charles University, Prague (Neurologicka klinika fakulty vseobecneho lekarstvi KU)

TITLE: Problem of diagnosing the localization and course of paralysis of peroneal  
nerve

SOURCE: Ceskoslovenska neurologie, v. 28, no. 5, 1965, 374-380

TOPIC TAGS: nervous system disease, circulatory system disease, diagnostic medicine,  
man

ABSTRACT: Study of 5 cases with various degrees of paralysis of peroneal nerve,  
particularly degrees of involvement of the sciatic and related nerves of the lower  
extremities. Circulatory and ischemic difficulties are more apt to cause permanent  
damage to this nerve than to many others due to its anatomical situation. Orig.  
art. has: 3 figures. [Based on Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 009

Card 1/1 51

0015

1403

L 31440-66

ACC NR: AP6023193

SOURCE CODE: CZ/0082/65/028/005/0381/0388

23  
B

AUTHOR: Vacek, J.; Tuhacek, M.; Vymazal, J.; Taborikova, H.

ORG: Neurology Clinicheaded by Academician K. Hennar/, Faculty of General Medicine, Charles University, Prague (Neurologicka klinika fakulty vseobecneho lekarstvi KU)

TITLE: Electrophysiologic study of the immediate effect of acupuncture in peripheral paralysis of the facial nerve

SOURCE: Ceskoslovenska neurologie, v. 28, no. 5, 1965, 381-388

TOPIC TAGS: reflex activity, nervous system disease, neurology, electrophysiology, man

ABSTRACT: Study of effect of acupuncture in 7 men and 13 women with paralysis of the facial nerve. The immediate and objective aspects of the effect indicate that acupuncture facilitates an increased state of "stationary irritation" brought about by some sort of reflex phenomenon. Orig. art. has: 4 figures and 2 tables. [Based on Eng. abstr.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / SOV REF: 002  
OTH REF: 004

Card 1/1 JT

0915

1404

CZECHOSLOVAKIA

VACEK, I.: Psychiatric Department Okresni Institute of Public Health (Psychiatricko Oddeleni OUNZ), Karlovy Vary.

"Long-Term Follow-Up of Psychopathological Dynamics in a Case of Tuberous Sclerosis."

Prague, Ceskoslovenska Psychiatrie, Vol 63, No 1, Feb 67, pp 49-52

Abstract /Author's English summary modified/ 7: A case of tuberous sclerosis verified in 3 generations in a family with different degrees of manifestation is discussed. A 6 year period of the study of a patient is described; the development of the disturbances of affectivity and emotionality was independent on the observed fits of periventricular epilepsy and singular cataplectic fits. A deepening of the apathetic-abulic syndrome was observed, accompanied by a colorful subjective neurotic symptoms. 2 Western references. (Manuscript received 14 Sep 65).

VACEK, Jan; DRESSLER, Zdenek

Some problems of the building enterprise organization and ways  
for their solution. Poz stavby 12 no.10:407-413 '64.

1. Regional Association of National Building Enterprises, Brno  
(for Vacek). 2. Ingstav, Brno (for Dressler).

VACEK, Jaroslav, inz. dr.

Optimum size and distribution of food industry enterprises.  
From potravin 15 no.12:6,5-607 D 164.

1. Research Institute of Food Industry Economics, Prague.

VACEK, Jaroslav, dr.

Total cost in the period of several years. From potravin 15  
no. 3:116-118 Mr '64.

1. Research Institute of the Food Industry Economy, Prague.

VACEK, Jiri

Experience from measuring forest soil respiration by the  
macrorespirometer. Rost výroba 9 no.7/8:818-820 Jl-Ag '63.

1. Vyzkumný ustav lesního hospodarství a myslivosti, Opocno  
pod Orlickými horami.

## C Z E C H I I

Production and properties of dense bodies made from tungsten carbide. Curt Auge and Jiri Vaclk (Velekumy na vodou praskivou met., Prague). *Hannover Liefy 8, 230-521853*.—The authors studied possibilities of making sintered products from pure WC, WC + TaC 10%, and WC + TiC 10% and claim satisfactory results without the use of expensive Co. With pure WC highest hardness and d. were obtained when the carbide was ground for 120 hrs. in a ball mill (resulting in a particle size 0.8–1.2  $\mu$ ), mixed then with filtered beeswax 1 wt. % (used as a binder), dried at 65°, subjected to a pressure of 3 tons/sq. cm., and sintered. The sintering was carried out in H first at 1000° and then at 1700° for 2 hrs. Rockwell hardness (I) of the product was 91–4 kg./sq. mm., and d. was 15.1. Similar procedure was used for WC + TiC 10% except that for highest I = 93.2, highest d. = 12.52, and lowest elec. resistance (II) = 0.311 ohm-sq. mm./m. The mixt. was sintered at 1800° for 2 hrs. Similar procedure, for WC + TaC 10% resulted in a product with I = 91.2 (when ground, however, for only 24 hrs. I was 98.0), d. = 14.9 (highest value), and II = 0.290 (with 0.5% beeswax, II of the product = 0.285).

Frank J. Hendel

Rolling molybdenum and tungsten sheets. Jiri Vacek.  
Pakrohy průmyslové akti., Sborník konf., Brno 1953, 268-74 (Pub.  
1954).—Equipment is described in which Mo powder is  
heated to 1350-1450°, and W to 1450-1600°, then rolled  
into sheets by aid of rollers weighing 30-70 kg. The charac-  
teristics of the Mo(W) sheet obtained are: d. 9.66-10.10  
(18.70-19.15) g./cc.; Vickers hardness (10 kg.) 192-267  
(240-355) kg./sq. mm.; specific elec. resistance 0.0334-  
0.0817 (0.0509-0.0808) ohm./sq. mm./m.

Werner Jacobson

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Distr: 4E2c/4E3c

fmk

Distr: 4E2c

27  
15  
✓ The savings of cobalt when employing cermet carbides.  
Curt Arne and Jiri Vacek. *Pokroky průmyslové met., Sborník konf.*, Brno 1953, 443-50 (Pub. 1954).—Numerous examples are presented for high-speed steels and similar applications, in which Co is replaced in part or in toto by carbides prep'd. by the aid of powder metallurgy. Thus certain hard wires can be made up of WC with 6-25% iron; hard solders can be made up of WC with small addns. of Co, Ni, and (or) Fe; other hard alloys contain WC 64 + WTiC<sub>2</sub> 30 + Co 6%, or TiC 16 + WC 78 + Fe-Cr 6%. WC can be completely absent, thus a very hard alloy contains TiC 45 + VC 45 + Ni 10%. The m.p.s. of such alloys are very high; TiC 40 + Mo<sub>2</sub>C 40 + TaC 10 + Ni 10% m. 1500-1650°. W.J.